

PCT

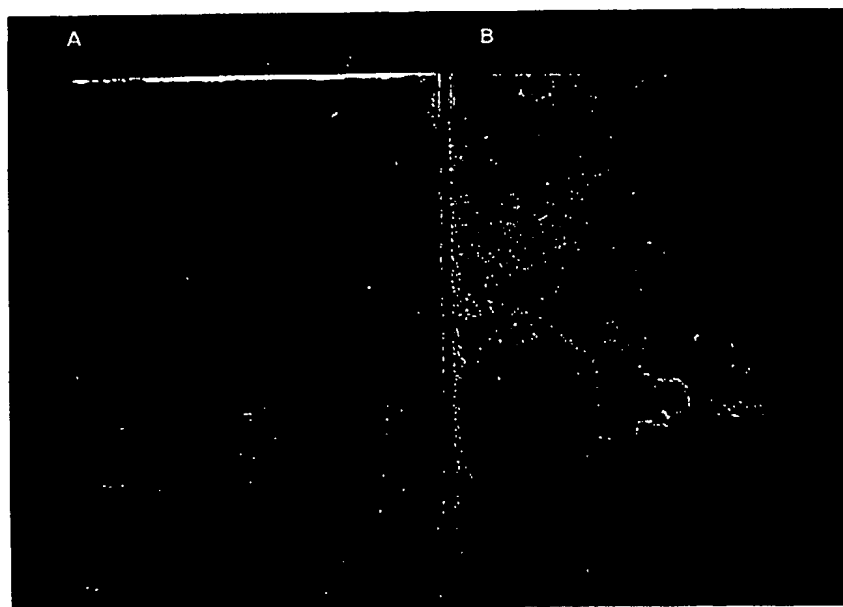
WORLD INTELLECTUAL PROPERTY ORGANIZATION
International Bureau



INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification ⁷ : B01J 37/02	A1	(11) International Publication Number: WO 00/32311 (43) International Publication Date: 8 June 2000 (08.06.00)
(21) International Application Number: PCT/GB99/03858 (22) International Filing Date: 22 November 1999 (22.11.99) (30) Priority Data: 9826486.4 3 December 1998 (03.12.98) GB (71) Applicant (for all designated States except US): JOHNSON MATTHEY PUBLIC LIMITED COMPANY [GB/GB]; 2-4 Cockspur Street, Trafalgar Square, London SW1Y 5BQ (GB). (72) Inventors; and (75) Inventors/Applicants (for US only): LANZUELA DE ALVARO, Francisco [ES/GB]; 3 Main Prize Road, Bracknell RG12 2RE (GB). MALDE, Chandresh, Nemchand [GB/GB]; 37 Lower Henley Road, Caversham, Reading RG4 5LD (GB). PETCH, Michael, Ian [GB/GB]; 57 Barnsdale Road, Reading RG2 7JG (GB). (74) Agent: WISHART, Ian, Carmichael; Johnson Matthey Technology Centre, Blounts Court, Sonning Common, Reading RG4 9NH (GB).		(81) Designated States: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>

(54) Title: IMPROVEMENTS IN COATINGS



(57) Abstract

A substrate, such as a plate or catalyst monolith, may be coated with a metal oxide, particularly with a zeolite, by treating the substrate with a polyelectrolyte to form a coating, and then depositing the coating of metal oxide from an aqueous slurry. A continuous coating, which may incorporate many layers, can easily be formed. In the examples polyacrylamide is used as polyelectrolyte.